



UNITED STATES ARMY AVIATION and MISSILE LIFE CYCLE MANAGEMENT COMMAND

CORROSION PROGRAM

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Report Documentation Page			Form Approved OMB No. 0704-0188	
<p>Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.</p>				
1. REPORT DATE FEB 2010	2. REPORT TYPE	3. DATES COVERED 00-00-2010 to 00-00-2010		
4. TITLE AND SUBTITLE Corrosion Program		5a. CONTRACT NUMBER		
		5b. GRANT NUMBER		
		5c. PROGRAM ELEMENT NUMBER		
6. AUTHOR(S)		5d. PROJECT NUMBER		
		5e. TASK NUMBER		
		5f. WORK UNIT NUMBER		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) AMCOM Corrosion Program Office,SFAE-AV-AS-AG,Bldg 7770, Lab 4,Redstone Arsenal,AL,35898		8. PERFORMING ORGANIZATION REPORT NUMBER		
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)		10. SPONSOR/MONITOR'S ACRONYM(S)		
		11. SPONSOR/MONITOR'S REPORT NUMBER(S)		
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited				
13. SUPPLEMENTARY NOTES 2010 U.S. Army Corrosion Summit, Huntsville, AL, 9-11 Feb				
14. ABSTRACT				
15. SUBJECT TERMS				
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 18
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified		



Corrosion Prevention and Control Center of Excellence

Mission

- GATHER AND PROCESS** Data to identify trends and target efforts.
- ASSESS** opportunities for technology insertion to reduce life-cycle costs and reduce the maintenance burden on the warfighter.
- COORDINATE** with industry reps and all uniformed services to ensure use of “best practices”.
- PRODUCE** job-aids and administrative tools for units in the field, such as Corrosion SOPs to eliminate duplication of effort.
- PROVIDE**
 - “Eyes in the field” to help identify corrosion trends for the various PM Offices
 - Training and Technical Assistance to the Warfighter
 - A Clearinghouse for current CPC information.



Communication Channels

- **Quarterly Newsletter**
(THE INHIBITOR)
- **New training CDs**
(in development)
- **Website** (www.corrweb.org)
 - Technical Requests
 - Checklists
 - Newsletter Archive
 - Training
- **Corrosion Monitor “Network”**

AMCOM CORROSION PROGRAM OFFICE
AMCOM's Newsletter of Corrosion
Prevention and Control

The Inhibitor

October 2009

Distribution Statement D: Distribution authorized to DoD and US DoD contractors only to protect technical or operational information from automatic dissemination under the International Exchange Program or by other means.



"Corrosion, Will Robinson!!"

This office provides corrosion prevention and control assistance to Army aviation units worldwide. We will send representatives to your unit to provide an assistance visit. The visit includes a 2 ½-3 hour briefing followed by a walk-around with one of your aircraft. The briefing covers the basics of corrosion, repair techniques, stopping and preventing corrosion and types of corrosion prevention materials. The team can also provide technical assistance with any corrosion problems you may be experiencing with your equipment. As the Unit Corrosion Assistance Team is centrally funded, there is no cost to your unit for an assistance visit. As a bonus, the FORSCOM ARMS team will accept our visit as fulfilling your annual corrosion training requirement.



Targeted Classes

■ **Standard Maintainers' Class**

- Technician's Class
- Your Site- Worldwide- Throughout the Year
- Call us (*email...whatever...*)

■ **Maintenance Managers' Class**

- **Less Technical, More Program**
- All 151A “Walking Warrant” Classes at Ft Eustis
(moving to Ft Rucker?)
- All AMMC Classes at Ft Rucker
- AMCOM Logistics Assistant Representative School (LAR-U)
at Redstone

■ **Corrosion Monitor Class**

- Technical and Program
- Army Requirements
- Vendor and PM presentations
- 30 March -1 April 2010
- 8-10 June 2010
- 3-5 August 2010



Corrosion Assistance Team (CAT) Visits

Classroom Briefing

- ***General Corrosion Theory***
- ***Preventive Maintenance***
- ***Repair Techniques***
- ***Approved Products***
- ***Ordering Materials***
- ***ARMS Compliance***



Hands-on

- ***Conducted on Unit Aircraft***
- ***Known Corrosion Trouble Spots***
- ***Lessons Learned at Other Visits***
- ***Local Aircraft Wash Procedures***
- ***Corrosion Prevention Materials***
- ***Local Unit Corrosion Issues***

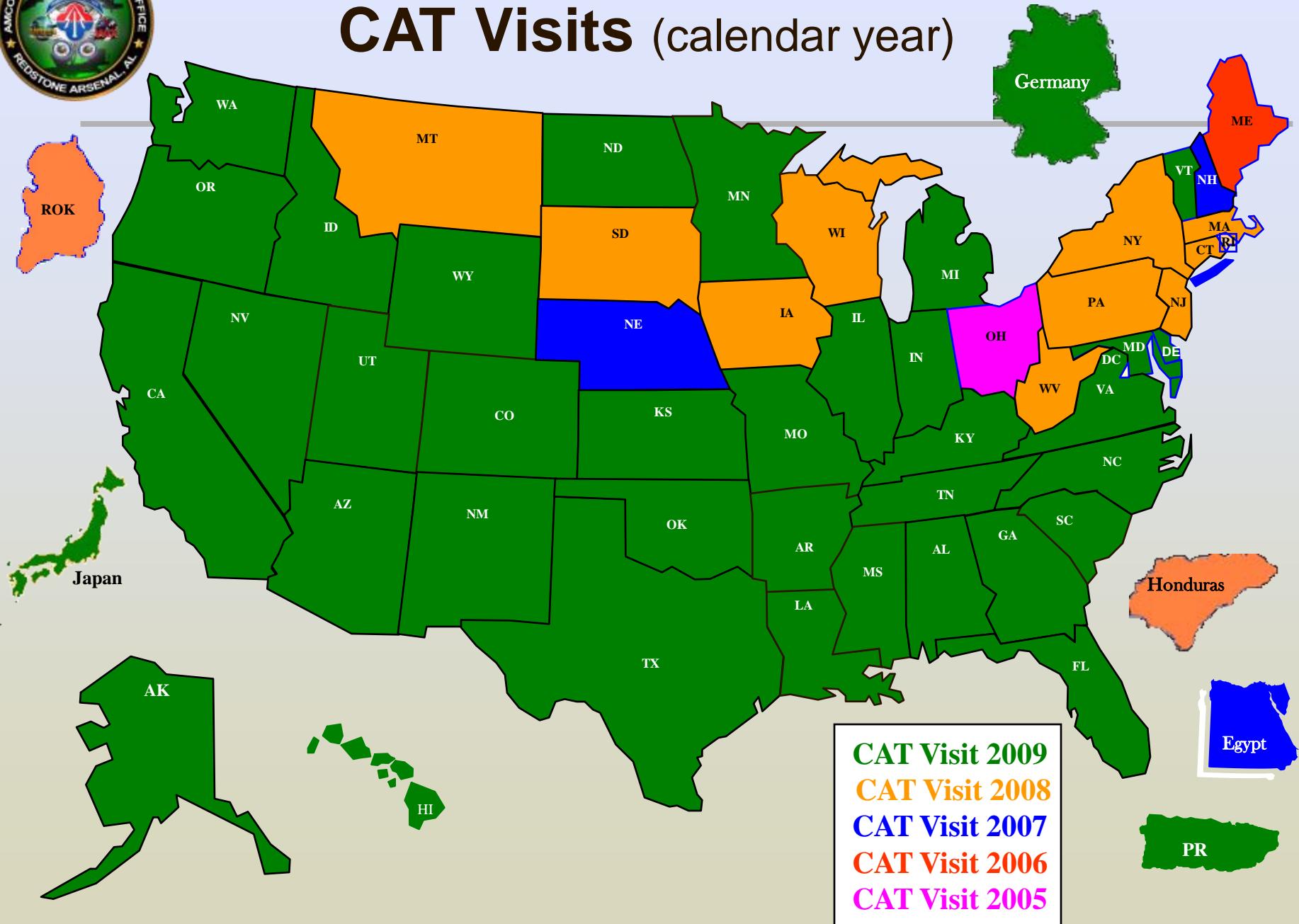


Personnel Trained 2009





CAT Visits (calendar year)





AH-64D

**Primary Hydraulic Manifold Harness (W419): P1047-
Connector's positioning is conducive to water intrusion.**



**Av-DEC sealing procedures and Potting Instructions MIM 09-001
(Article in December issue of The Inhibitor)**

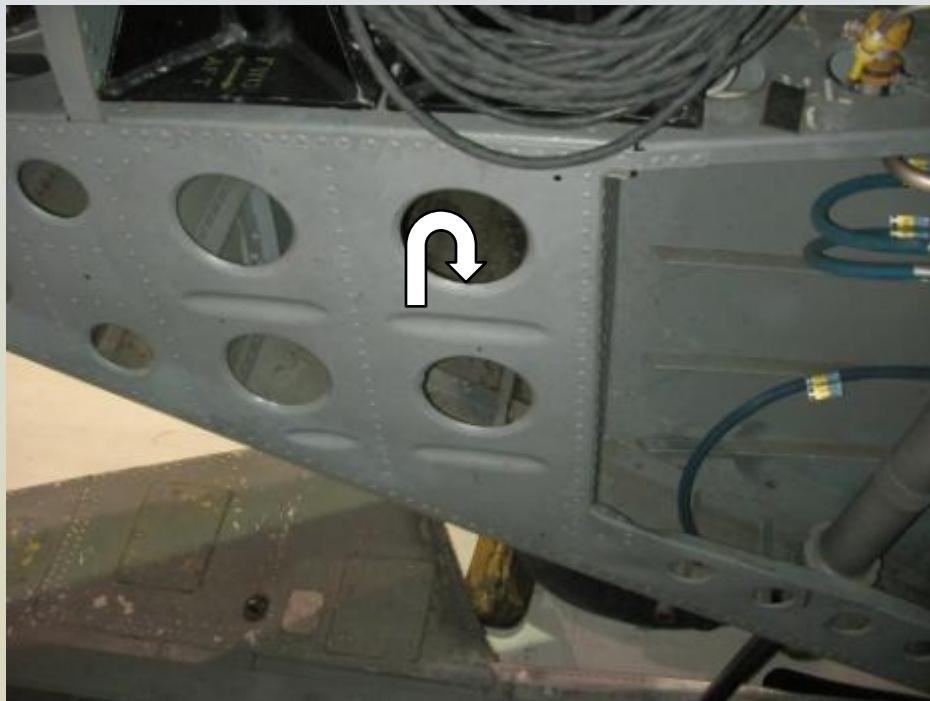


CH-47 Chinook

Water Entrapment

This area is notorious for collecting water, dirt and debris. Some units have made drain holes here (**UNAUTHORIZED**) which will allow water to enter cabin during water landings.

Good housekeeping is the solution.





Air Traffic Control Site Visits

■ CONUS Sites

- Ft Belvoir
- Ft Bragg
- Redstone Arsenal
- Ft Rucker
- Ft Drum



■ OCONUS Sites

- Camp Humphreys,
Republic of Korea





Air Traffic Control (ATC)

- **AN/FPN-67 FBPAR (Fixed Base Precision Approach Radar)**
 - Pedestal water intrusion leading to extensive corrosion
 - Junction box corrosion
 - Cable sheathing breakdown
 - Cable entry-point not environmentally sealed
 - Microbiological growth on cables

Transitioning old fixes to new equipment





Air Traffic Control (ATC)

■ Technical Manual Review of 3 Systems

- Air Traffic Navigation, Integration, and Coordination System (**ATNAVICS**) AN/TPN-31
- Tactical Airspace Integration System (**TAIS**) AN/TSQ-221
- Fixed Base Precision Approach Radar (**FBPAR**) AN/FPN-67
- NEW ATC GUY!!!





Air Traffic Control

Saltwater Tropical Environmental Effects on Digital Airport Surveillance Radar (DASR) Kwajalein Atoll





Unmanned Aerial Vehicle (UAV) Field Support

First UAV visits
Baumholder, Germany
Ft Huachuca, AZ





Fixed Wing Field Support

Fixed Wing site visit requests have more than doubled!

Approximately 6 FW personnel currently signed up for the Corrosion Monitor Class





Good News!



RUN...
*have
/ product from
Approved*
POL Lockers!





Need Help?

We're waiting for your call!





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